

REFERENCE CHARACTERS FOR INFORMATION ONLY
NOT TO LIMIT THE SCOPE OF CLAIMS
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WHAT IS CLAIMED IS:

1. Fastening arrangement for a module (1) for the fastening of the module on a vehicle body (8),

wherein fastening points (20, 21, 22) of the module (1) are constructed as a plurality of elongated openings (25) extending in the same direction.

2. Fastening arrangement according to Claim 1, wherein the elongated openings (25) are constructed at least partially as a curved path.

3. Fastening arrangement according to Claim 2, wherein end areas (26) of the curved paths (25) are directed into a mounting position of the module (1) against the gravitational force.

4. Fastening arrangement according to Claim 2, wherein the curved paths (25) are constructed such that a movement of the module (1) is achieved during the mounting operation.

5. Fastening arrangement according to Claim 3,

wherein the curved paths (25) are constructed such that a movement of the module (1) is achieved during the mounting operation.

6. Fastening arrangement according to Claim 1,

wherein, on at least one of the elongated openings (25), at least one flank (29) of the elongated opening (25) is constructed as an insertion aid.

7. Fastening arrangement according to Claim 2,

wherein, on at least one of the elongated openings (25), at least one flank (29) of the elongated opening (25) is constructed as an insertion aid.

8. Fastening arrangement according to Claim 3,

wherein, on at least one of the elongated openings (25), at least one flank (29) of the elongated opening (25) is constructed as an insertion aid.

9. Fastening arrangement according to Claim 4,

wherein, on at least one of the elongated openings (25), at least one flank (29) of the elongated opening (25) is constructed as an insertion aid.

10. Fastening arrangement according to Claim 5,

wherein, on at least one of the elongated openings (25), at least one flank (29) of the elongated opening (25) is constructed as an insertion aid.

11. Fastening arrangement according to Claim 1,

wherein the module (1) comprises a radiator (3) with air guiding elements (4, 5) placed upstream and downstream, which are held in a module frame (2), wherein an opening is provided on one of the air guiding elements (4), which opening, in the mounted position of the module (1), rests on a corresponding opening (10) of a vehicle body (8), a plane (F) of the openings (10, 11) being arranged essentially perpendicularly with respect to a mounting plane (E) of the module (1).

12. Fastening arrangement according to Claim 2,

wherein the module (1) comprises a radiator (3) with air guiding elements (4, 5) placed upstream and downstream, which are held in a module frame (2), wherein an opening is provided on one of the air guiding elements (4), which opening, in the mounted position of the module (1), rests on a corresponding opening (10) of a vehicle body (8), a plane (F) of the openings (10, 11) being arranged essentially perpendicularly with respect to a mounting plane (E) of the module (1).

13. Fastening arrangement according to Claim 3,

wherein the module (1) comprises a radiator (3) with air guiding elements (4, 5) placed upstream and downstream, which are held in a module frame (2), wherein an opening is provided on one of the air guiding elements (4), which opening, in the mounted position of the module (1), rests on a corresponding opening (10) of a vehicle body (8), a plane (F) of the openings (10, 11) being arranged essentially perpendicularly with respect to a mounting plane (E) of the module (1).

14. Fastening arrangement according to Claim 4,

wherein the module (1) comprises a radiator (3) with air guiding elements (4, 5) placed upstream and downstream, which are held in a module frame (2), wherein an opening is provided on one of the air guiding elements (4), which opening, in the mounted position of the module (1), rests on a corresponding opening (10) of a vehicle body (8), a plane (F) of the openings (10, 11) being arranged essentially perpendicularly with respect to a mounting plane (E) of the module (1).

15. Fastening arrangement according to Claim 5,

wherein the module (1) comprises a radiator (3) with air guiding elements (4, 5) placed upstream and

downstream, which are held in a module frame (2), wherein an opening is provided on one of the air guiding elements (4), which opening, in the mounted position of the module (1), rests on a corresponding opening (10) of a vehicle body (8), a plane (F) of the openings (10, 11) being arranged essentially perpendicularly with respect to a mounting plane (E) of the module (1).

16. Fastening arrangement according to Claim 6,

wherein the module (1) comprises a radiator (3) with air guiding elements (4, 5) placed upstream and downstream, which are held in a module frame (2), wherein an opening is provided on one of the air guiding elements (4), which opening, in the mounted position of the module (1), rests on a corresponding opening (10) of a vehicle body (8), a plane (F) of the openings (10, 11) being arranged essentially perpendicularly with respect to a mounting plane (E) of the module (1).

17. A method of fastening a vehicle radiator module to a vehicle using the fastening arrangement of Claim 1.

18. A method of fastening a vehicle radiator module to a vehicle using the fastening arrangement of Claim 11.

19. A vehicle assembly comprising a vehicle body having a plurality of protruding fastening lugs, and a module including a module frame with a plurality of fastening openings engageable over the fastening lugs,

wherein said fastening openings are elongated openings extending parallel to one another to facilitate placement of said module with said module frame fastening openings surrounding the respective fastening lugs, and adjusting sliding movement with the module transverse to the fastening lugs to an installation position while supported at the fastening lugs.

20. A vehicle assembly according to Claim 19,

wherein at least one of said elongated openings is curved so as to secure the module frame and module against gravity when in a preassembled position and during transverse sliding of the module frame to an installation position.

21. A vehicle assembly according to Claim 20,
wherein at least one of the elongated curved openings is open laterally to accommodate insertion of the module frame laterally over a corresponding fastening lug.

22. A vehicle assembly according to Claim 19,
wherein said module includes a radiator and air guiding elements held on the module frame.

23. A vehicle assembly according to Claim 21,
wherein said module includes a radiator and air guiding elements held on the module frame.

24. A method of assembling a module at a vehicle body having a plurality of protruding fastening lugs, said method comprising:

providing said module with a module frame having a plurality of elongated openings,

placing the module frame with said elongated openings over the respective fastening lugs,

slidably moving the module frame laterally to an installation position while supported at the fastening lugs,
and

fastening the module frame to the vehicle body with clamping means on said fastening lugs.

25. A vehicle assembly according to Claim 24,

wherein at least one of said elongated openings is curved so as to secure the module frame and module against gravity when in a preassembled position and during transverse sliding of the module frame to an installation position.

26. A vehicle assembly according to Claim 25,

wherein at least one of the elongated curved openings is open laterally to accommodate insertion of the module frame laterally over a corresponding fastening lug.

27. A vehicle assembly according to Claim 24,

wherein said module includes a radiator and air guiding elements held on the module frame.

28. A vehicle assembly according to Claim 26,

wherein said module includes a radiator and air guiding elements held on the module frame.